(Theorem NMRRI [68]) tells us we can answer this question by simply row-reducing the matrix. Doing this we obtain,

(Theorem NMRRI [68]) Diga si puede responder la pregunta reduciendo por filas la matriz. Haciendo esto, tenemos que,

$$\begin{pmatrix} [1] & 0 & 0 & 0 \\ 0 & [1] & 0 & 0 \\ 0 & 0 & [1] & 0 \\ 0 & 0 & 0 & [1] \end{pmatrix}$$

Since the reduced row-echelon form of the matrix is the 4 x 4 identity matrix I_4, we know that B is nonsingular.

Como la matriz escalonada reducida forma una matriz de 4 x 4 identica I_4, se sabe que B es no singular.

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